

CLAIMS

What is claimed is a pre-wired, self-locking junction box comprising:

1. a first housing of non-conductive material having a closed top and a closed bottom, said first housing being comprised of two parts, a lower bottom part and an upper top part, said top part being suitably adapted in size to releasably engage said lower part, and said first housing having a plurality of inlets about itself to receivably engage electrical cable;
 - a. a second box housing of non-conductive material having a plurality of inlets and 3 layers of conductive material for live, neutral and ground connections, respectively, each of said layers insulated from the other;
 - b. characterized in that said second box is housed by said first housing and each of said live, neutral and ground conductive layers are disposed in relation to the inlets of the first and second housing to securely receive the live, neutral and ground electrical cables to make an electrical circuit.
2. The junction box of claim 1 characterized in that at least one hole through each of the upper top part and lower bottom part of said housing are aligned to permit passing therethrough an attachment means to secure said junction box.
3. The junction box of claim 2 characterized in that a grommet of non-conductive material with at least two holes passing therethrough is affixed to the upper surface of the upper top part to receive electrical cables from a fixture.
4. The junction box of claim 1 characterized in that at least one hole through the lower bottom part of said housing to permit passing therethrough an attachment means to secure said junction box.

5. The junction box of claim 1 characterized in that the said 3 layers of conductive material are integrated with spring lock connectors to securely engage electrical cables.
6. The junction box of claim 4 characterized in that said second box disposes of holes passing therethrough to receive a three pronged insulated wire release tool to engage said spring lock connectors to permit disengaging the electrical cables.
7. a first housing of non-conductive material having a closed top and a closed bottom, said first housing being comprised of two parts, a lower bottom part and an upper top part, said top part being suitably adapted in size to releasably engage said lower part, and said first housing having a plurality of inlets about its circumference to receivably engage electrical cable;
 - a. a third box of non-conductive material housing a layer of conductive material with inlets at opposite ends to receivably engage electrical cable to make an electrical circuit;

characterized in that said third box is housed by said first housing.